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Table 1: Changes to Vo Release B RBRs Baseline: November 8, 1996 CCR: 96-1474/A

RBR_id	req_key	req_cate gory	segment	req_type	s_verif_ method	s_verif_ stat	a_verif_ method	a_verif_ stat	text	interpretation text	clarification
V0-0010#B	3043	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall provide two way interoperabilit y to the ESDIS V0 system IMS via Level 3 interoperabilit y.		
V0-0020#B	3045	mission essential TBD	CSMS	interface/ security	testTBD	un- verified	test	un- verified	ESDIS V0 IMS shall have the capability to send and ECS shall have the capability to receive User Authenticatio n Requests [implementati on issue 1].	The V0 protocol embeds user authentication in each request. There is no separate authentication request by ECS.	Reference IRD between EOSD S Project & V0 System (505- 41-11, Appendix B) for implementatic n the issue description.
V0-0030#B	5865	mission essential TBD	CSMS	interface/ security	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to send and ESDIS VO IMS shall have the capability		Reference IRD between EOSD S Project & V0 System (505- 41-11, Appendix B) for implementatic

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	1	T			ī						
									to receive		<u>n the issue</u>
									ECS User		description
									Authenticatio		
									n Information		
									[implementati		
									on issue 1].		
V0-0040#B	3049	mission	CSMS	interface/	testTBD	un-	test	un-	011 155 676 1].	The V0	Reference
VO OO IOMB	3017	essential	CBIVID	security	test TDD	verified	tost	verified	The ECS	protocol	IRD between
		TBD		security		Verified		vermed	shall have the	embeds user	EOSDIS EOSDIS
		100							capability to	authentication	Project & V0
									send and		Crysters (505
										<u>in each</u>	System (505-
									ESDIS VO	request.	41-11,
									IMS shall	There is no	Appendix B)
									have the	<u>separate</u>	<u>for</u>
									capability	<u>authentication</u>	implementation
									to receive V0	request by	<u>n the issue</u>
									User	<u>EĈS.</u>	description
									Authenticatio		
									n Requests		
									[implementati		
									on issue 1].		
V0-0050#B	3051	mission	CSMS	interface/	<u>testTBD</u>	un-	<u>test</u>	un-			Reference
		essential		<u>security</u>		verified		verified	ESDIS V0		IRD between
		TBD							IMS shall		EOSDIS
									have the		Project & V0
									capability to		System (505-
									send and		41-11,
									ECS shall		Appendix B)
									have the		for
									capability to		implementation
									receive V0		n the issue
									User		description
'									Authenticatio		description
									n Information		
									[implementati		
		ĺ					44		on issue 1].		
VO OOFFUD	2052		COLIC	: tC	4 4/101313		TOCT	1110			
V0-0055#B	3053	mission	CSMS	interface	<u>test</u> TBD	un-	<u>test</u>	<u>un-</u>	V		
V0-0055#B	3053	essential	CSMS	interface	test TBD	un- verified	<u>test</u>	verified	Version 0		
V0-0055#B	3053		CSMS	interface	test TBD		test		shall permit		
V0-0055#B	3053	essential	CSMS	interface	test TBD		<u>test</u>				

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									Version 0 network components and services.		
V0-0060#B	3055	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to send and ESDIS VO IMS shall have the capability to receive Inventory Search Requests via VO protocols.		
V0-0070#B	3057	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ESDIS V0 IMS shall have the capability to send and ECS shall have the capability to receive Inventory Search Results via V0 protocols.		
V0-0080#B	3059	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to send and the ESDIS V0 IMS shall have the capability to		

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									receive Guide Search Requests via V0 protocols.	
V0-0090#B	3061	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ESDIS V0 IMS shall have the capability to send and the ECS shall have the capability to receive Guide Search Results via V0 protocols.	
V0-0100#B	3063	mission essential TBD	SDPS	interface	testTBD	un- verified	test	un- verified	The ECS shall have the capability to send and the ESDIS V0 IMS shall have the capability to receive Browse Requests via V0 protocols.	
V0-0110#B	3065	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ESDIS V0 IMS shall have the capability to send and the ECS shall have the capability to receive and Browse	

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									Results via V0 protocols.	
V0-0120#B	3067	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to send and ESDIS V0 IMS shall have the capability to receive Product Requests via V0 protocols.	
V0-0150#B	3069	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	ESDIS VO IMS shall have the capability to send and the ECS shall have the capability to receive Inventory Search Requests via VO protocols.	
V0-0160#B	3071	mission essential TBD	SDPS	interface	<u>test</u> TBD	un- verified	<u>test</u>	un- verified	ECS shall have the capability to send and ESDIS V0 IMS shall have the capability to receive Inventory Search	

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									Results via V0 protocols.	
V0-0170#B	3073	mission essential TBD	SDPS	interface	<u>test</u> TBD	un- verified	test	un- verified	V0 ESDIS IMS shall have the capability to send and ECS shall have the capability to receive Guide Search Requests [implementati on issue 2].	Reference IRD between EOSDIS Project and V0 System (505-41-11, Appendix B) for implementatic n the issue description
V0-0180#B	3075	mission essential TBD	SDPS	interface	<u>test</u> TBD	un- verified	test	un- verified	The ECS shall have the capability to send and V0 ESDIS IMS shall have the capability to receive Guide Search Results [implementati on issue 2].	Reference IRD between EOSDIS Project and V0 System (505-41-11, Appendix B) for implementation the issue description
V0-0190#B	3077	mission essential TBD	SDPS	interface	<u>test</u> TBD	un- verified	<u>test</u>	un- verified	V0 ESDIS IMS shall have the capability to send and ECS shall have the capability to receive Browse Requests	Reference IRD between EOSDIS Project and V0 System (505-41-11, Appendix B) for implementatic n the issue description

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									[implementati on issue 2].	
V0-0200#B	3079	mission essential TBD	SDPS	interface	<u>test</u> TBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to send and V0 ESDIS IMS shall have the capability to receive Browse Results [implementati on issue 2].	Reference IRD between EOSD S Project and V0 System (505-41-11, Appendix B) for implementatic n the issue description
V0-0230#B	3081	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ESDIS V0 IMS shall have the capability to send and ECS shall have the capability to receive Product Requests via V0 protocols.	
V0-0240#B	3083	TBD	SDPS	interface	<u>test</u> TBD	un- verified	test	un- verified	ECS and Version 0 shall exchange pricing information, as necessary.	
V0-0260#B	5871	mission essential TBD	SDPS	interface	<u>test</u> TBD	un- verified	<u>test</u>	un- verified	The DAACs V0 IMS shall have the capability to	

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									send and ECS shall have the capability to receive Migration Metadata.	
V0-0270#B	5875	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The DAACs V0 DADS shall have the capability to send and ECS shall have the capability to receive Migration Data Products.	
V0-0280#B	5881	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	<u>un-</u> <u>verified</u>	The DAACs V0 DADS shall have the capability to send and ECS shall have the capability to receive Migration Browse Data.	
V0-0290#B	5884	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The DAACs V0 DADS shall have the capability to send and ECS shall have the capability to	

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									receive Migration Documentatio n Data.		
V0-0300#B	5888	mission essential TBD	SDPS	interface	testTBD	un- verified	test	un- verified	The DAAC V0 DADS shall have the capability to send and ECS shall have the capability to receive Migration Ancillary Data and Correlative Data.		
V0-0310#B	5892	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The DAACs V0 PGS shall have the capability to send and ECS shall have the capability to receive Migration Data Products.		
V0-0320#B	5899	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The DAACs V0 PGS shall have the capability to send and ECS shall have the capability to		

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т										T	1
									receive Migration Browse Data.		
V0-0330#B	5901	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The DAACs V0 PGS shall have the capability to send and ECS shall have the capability to receive Migration Metadata.		
V0-0331#B	5904	mission essential TBD	SDPS	operatio nal/interf ace	testTBD	un- verified	<u>test</u>	un- verified	The DAACs V0 PGS shall have the capability to send and ECS shall have the capability to receive Migration Data Products according to the agreed schedule.		If required, schedules will be agreed upon between data provider and indivdual DAACs.
V0-0340#B	5907	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability of ingesting migration data in the following data format (s): a. HDF		

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									b. native format c. TBD	
V0-0350#B	5911	mission essential TBD	SDPS	interface	testTBD	un- verified	test	un- verified	The ECS shall have the capability of receiving data products from the DAAC(s) V0 system on the following media: a. CD-ROM b. 4mm tape c. 8mm tape d. 6250 bpi magnetic tape e. electronic transfer	
V0-0360#B	5915	mission essential TBD	SDPS	procedur al/interfa ce	testTBD	un- verified	<u>test</u>	un- verified	The ECS and DAAC(s) shall have the capability to exchange Migration Coordination messages [implementati on issue 3].	Reference IRD between EOSD S Project and V0 System (505-41-11, Appendix B) for implementatic n the issue description
V0-0370#B	3120	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The DAAC(s) shall have the capability to send and ECS shall have the capability to receive	Reference IRD between EOSD S Project and V0 System (505-41-11, Appendix B) for implementatic

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									Advertising Information [implementati on issue 6].	n the issue description
70-0380#B	3122	mission essential TBD	SDPS	interface	testTBD	un- verified	test	un- verified	ECS shall have the capability to send and the ESDIS IMS team shall have the capability to receive Dependent Valids Information.	

Table 2: Changes to SCF Release B RBRs Baseline: November 8, 1996 CCR: 96-1474/A

RBR_id	req_key	req_cate gory	segment	req_type	s_verif_ method	s_verif_ stat	a_verif_ method	a_verif_ stat	text	interpretation text	clarification
SCF- 0001#B	2398	N/A pro	N/A_pro cedural	procedur	not verified by ECSTB D	N/A pro ceduralun- verified	not verified by ECS	N/A pro cedural	The SCF interface platform shall adhere to requirements specified in the Data Production Software and SCF Standards and Guidelines, GSFC 423-16-01. This	External requirement: Information only. No action is required by ECS.	

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SCF-0010#B	5751	N/A pro cedural T BD	N/A pro cedural S DPS	procedur	not verified by ECSTB D	N/A pro cedural# n- verified	not verified by ECS	N/A pro cedural	standards document includes SCF requirements for operating system, computer communicatio ns, e-mail protocol, and windowing protocol. The SCF interface shall consist of an ESDIS approved computing platform that shall have a C compiler. To access FORTRAN routines in the ECS Toolkits, the platform shall also have a FORTRAN compiler.	External only requirement: Information only. No action is required by ECS.	
SCF-0020#B	5754	N/A pro ceduralT BD	N/A pro ceduralC SMS	procedur al	not verified by ECSTB D	N/A pro ceduralu n- verified	not verified by ECS	N/A pro cedural	The SCF interface platform shall supply the DCE client and have an I/O	External only requirement: Information only. No action is required by ECS. B: ASTER GDS	

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									communicatio n port and the ability to run TCP/IP software for communicatio n to the ECS.	interfaces to EDC DAAC only.	
SCF-0025#B	5936	N/A_pro ceduralT BD	N/A_pro ceduralC SMS	procedur	not verified by ECSTB D	N/A pro cedural# n- verified	not verified by ECS	N/A pro cedural	The SCF interface platform shall provide one of the following levels of security for interoperation with ECS: a. Kerberized authentication for bidirectional file transfers. B. User of Distributed Computing Environment (DCE) for authentication of users, authorization of users for access to services such as remote file access, and provision for integrity of data being transferred.	External only requirement: Information only. No action is required by ECS.	
SCF-0030#B	2406	N/A pro	N/A pro	procedur	<u>not</u>	N/A pro		N/A pro	TTI CCT	External only	
		<u>cedural</u> Ŧ	<u>cedural</u> S	al	<u>verified</u>	<u>cedural</u> u	<u>verified</u>	<u>cedural</u>	The SCF	requirement:	

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		BD	DPS		by ECSTB D	n- verified	by ECS		interface platform shall have adequate computing resources for the storage, compilation, linking, and execution of ECS supplied software resident on the platform.		
SCF-0060#B	2415	mission essential TBD	SDPS	interface	demoTB D	un- verified	demo	un- verified	The ECS shall have the capability to provide to the SCF the Toolkit Delivery and Update Package. This package includes the PGS toolkit which supplies tools for the emulation of the ECS production environment and contains a ECS-standardized software routines to aid in science data production		

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										software		
										development.		
SCF	-0070#B	2418	mission essential TBD	SDPS	interface	demoTB-D	un- verified	demo	un- verified	The ECS shall have the capability to provide Integration and Test Specifications to the scientist at the SCF. These specifications are defined by the Data Processing Focus Team. These specifications are implemented in the Data Production Software Delivery Package and support smooth integration of the data production software into the ECS production environment.	requirements for the science software packages that SCFs provide to DAACs and the Data	
SCF	-0080#B	5776	mission essential TBD	SDPS	interface	demoTB D	un- verified	<u>demo</u>	un- verified	The ECS shall have the capability to provide an		

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Interactive	
Session	
Dialog	
with the	
SCF. This	
dialog, to aid	
integration	
and test of the	
data	
production	
software into	
the ECS	
production	
environment,	
shall support,	
at a	
general	
communicatio	
ns between	
the ECS and	
the SCF that	
include	
logins, mail	
messages, status	
reports, test	
coordination,	
test	
execution	
scripts, and	
solutions to	
minor	
problems.	T
SCF-0090#B 2423 mission SDPS interface testTBD un- test un- This implies a	
<u>essential</u> verified <u>verified</u> The SCF <u>requirement</u>	
shall have the for ECS to	
capability to receive Data	
provide ECS Production	
with the Data Production Delivery	

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									Software Delivery Package with "Required Items For Delivery" as specified by the Science User's Guide and Operations Procedure Handbook for the ECS Project.	Packages that SCFs send.	
SCF-0100#B	2426	mission essential TBD	SDPS	interface	testTBD	un- verified	test	un- verified	The ECS shall have the capability to forward Test Products to the SCF. These products generated by the science software at the ECS will require the review of the scientist at the SCF who submitted the software.	"Test products" are the "results of science software testing" per a test plan provided to the DAAC by the SCF that developed the science software to be tested.	
SCF-0110#B	2429	mision essential TBD	SDPS	interface	demoTB D	un- verified	demo	un- verified	The ECS shall have the capability to receive Test Product Reviews	"Test products Reviews" are SCFs' analyses of the results of science	

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									from the SCF. These reviews shall include the comments and recommendati ons of the scientist at the SCF who has reviewed the Test Products.	software testing per SCF- provided test plans (i.e., Test Products).	
SCF-0120#B	2432	mission essential TBD	SDPS	interface	test TBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to receive Data Production Software Updates from the SCF. These Data Production Software Updates include modifications to any data production software already submitted to the ECS by the SCF. The Data Production Software		

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ſ						Ī				Updates may	
	g (XF 0.120 // 2	0.423		appa.						include some or all the items required in the Data Production Software Delivery Package.	
	SCF-0130#B	2433	TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	<u>un-</u> <u>verified</u>	The ECS shall have the capability to receive Special Products from the SCF. These shall include L1 - L4 Special Products.	
	SCF-0140#B	2434	TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to receive Metadata, related to Special Products, from the SCF.	
	SCF-0150#B	2435	TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to receive Ancillary Data, related	

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									to Special Products, from the SCF.		
SCF-0160#B	2436	TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to receive Calibration Data, related to Special Products, from the SCF.		
SCF-0180#B	2438	TBD	SDPS	interface	<u>test</u> TBD	un- verified	test	un- verified	The ECS shall have the capability to receive Documents from the SCF that are related to Special Products and deemed necessary by the contributing scientist.		
SCF-0190#B	2439	TBD	SDPS	interface	<u>test</u> TBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to receive Data Production Software, related to		

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									Special Products, from the SCF.		
SCF-0200#B	2441	mision essential TBD	SDPS	interface	demoTB D	un- verified	demo	un- verified	The ECS shall have the capability to receive from the SCF a QA Notification Specification. This specification, submitted by the scientist at the SCF, describes the conditions under which data should be forwarded to the SCF for QA.		
SCF-0210#B	5940	mission essential TBD	SDPS	interface	demo	un- verified	demo	un- verified	The ECS shall have the capability to send a Data Quality Request Notification to the SCF. This notification is sent when QA notification criteria are met during routine ECS	This notification is an action to be taken by ECS after the occurrence of a triggering event per a subscription that the SCF had previously entered. SCFs no longer have a time limit by	

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SCF-0220#B	2443	mission	SDPS	interface	demoTB	un-	damo		processing. The notification states the data product and the time by which a notification, and optionally data, must be evaluated and returned to the ECS for inclusion as an update to the product metadata.	which they must complete their QA of science data, but the metadata will reflect the lack or presence of the QA.	
SCF-0220#B	2443	essential TBD	SDFS	interface	D D	verified	demo	un- verified	The ECS shall have the capability to receive from the SCF a Request for Data to QA. This request may be a standing request specified in the QA Notification Specification and may include the data product specified in the Data Quality Request	request for data distribution whether the request is made as part of a subscription or as a data order.	

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									Notification,		
									or other data		
									required by		
									the		
									scientist to		
									QA the data		
									product.		
SCF-0230#B	2445	mission	SDPS	interface	<u>demo</u> TB	un-	demo	un-	1	This is a	
		<u>essential</u>			Đ	verified		verified	The ECS	distribution	
		TBD							shall have the	of data as	
									capability to	requested by	
									send Data	the SCF.	
									Delivered for		
									QA to the		
									SCF. This		
									data includes		
									the data		
									requested by		
									the scientist needed for		
									the		
									QA of data		
									products.		
SCF-0240#B	2447	mission	SDPS	interface	<u>test</u> TBD	un-	<u>test</u>	un-	products.	On Time QA	
		essential	2212		<u> </u>	verified	<u> </u>	verified	The ECS	is reflected in	
		TBD							shall have the	ECS as	
									capability to	Metadata	
									receive an On	Updates that	
									Time QA	are made to in	
									from the	response to	
									SCF. This	data QA by	
									shall consist	the SCF.	
									of the science	Also, no	
									QA codes	distinction is	
									describing the	presently	
									results of	made	
									product QA	between on-	
									and any further	time QA and	
									instructions	QA that is not	
П										on time.	
									to the ECS.		

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SCF-0250#B	2449	mission	SDPS	interface	testTBD	un-	tost		The ECS shall accept the On Time QA when it is received within the time-out period specified in the Data Quality Request Notification. ECS shall accept post-time-out QA updates as Metadata Updates as specified by Requirement SCF-0250.	On Time QA	
SCF-0230#B	2449	essential TBD	SDFS	interrace	<u>ICSI</u> + DI	verified	<u>test</u>	un- verified	The ECS shall have the capability to receive Metadata Updates from the SCF. These shall include the science QA codes and optionally a report describing the results of product QA and any further	is the same as Metadata Updates. Also, no distinction is presently made between on- time AQ and QA that is not	

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									instructions to the ECS. The ECS shall only accept Metadata Updates when they are received after the time allotment specified in the Data Quality Request Notification.	
SCF-0260#B	2451	mission fulfillme ntTBD	SDPS	interface	demoTB D	un- verified	<u>demo</u>	un- verified	The ECS shall have the capability to make a Reprocessing Request Template available to the SCF. This template will be used by the scientist at the SCF to prepare a Reprocessing Request.	
SCF-0270#B	2453	mission essential TBD	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to receive a Reprocessing Request from	

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									the SCF.		
									This request,		
									at a		
									minimum,		
									contains the		
									following, a		
									list of all		
									the products		
									to be		
									generated, the		
									version		
									numbers of		
									the science		
									software		
									and		
									calibration		
									coefficients, a		
									list of all		
									ancillary data,		
									and data start		
									and		
									and		
SCE 0280#R	2455	mission	SDDS	interface	testTRD	un-	test	11n_	and stop times.	Penrocessing	
SCF-0280#B	2455	mission essential	SDPS	interface	<u>test</u> TBD	un-	<u>test</u>	un-	stop times.	Reprocessing status and	
SCF-0280#B	2455	essential	SDPS	interface	testTBD	un- verified	<u>test</u>	un- verified	stop times. The ECS	status and	
SCF-0280#B	2455		SDPS	interface	testTBD		<u>test</u>	un- verified	stop times. The ECS shall have the	status and processing	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to	status and processing status are	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a	status and processing status are identical.	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing	status and processing status are identical. SCFs	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the	status and processing status are identical. SCFs requests	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This	status and processing status are identical. SCFs requests notification of	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that	status and processing status are identical. SCFs requests notification of completion	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the	status and processing status are identical. SCFs requests notification of completion by entering a	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the reprocessing	status and processing status are identical. SCFs requests notification of completion by entering a subscription	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the reprocessing schedule	status and processing status are identical. SCFs requests notification of completion by entering a subscription to insertion of	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the reprocessing schedule informs the	status and processing status are identical. SCFs requests notification of completion by entering a subscription to insertion of the data	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the reprocessing schedule informs the scientist at the	status and processing status are identical. SCFs requests notification of completion by entering a subscription to insertion of the data product being	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		test	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the reprocessing schedule informs the scientist at the SCF the	status and processing status are identical. SCFs requests notification of completion by entering a subscription to insertion of the data	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the reprocessing schedule informs the scientist at the SCF the status of his	status and processing status are identical. SCFs requests notification of completion by entering a subscription to insertion of the data product being	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the reprocessing schedule informs the scientist at the SCF the status of his reprocessing	status and processing status are identical. SCFs requests notification of completion by entering a subscription to insertion of the data product being	
SCF-0280#B	2455	essential	SDPS	interface	<u>test</u> TBD		<u>test</u>	un- verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the reprocessing schedule informs the scientist at the SCF the status of his	status and processing status are identical. SCFs requests notification of completion by entering a subscription to insertion of the data product being	

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									notification upon completion of the reprocessing by the ECS.
SCF-0290#B	2456	TBD	SDPS	interface	testTBD	un- verified	test	un- verified	The ECS shall have the capability to send the Local Data Access Services Delivery Package to the SCF. This package shall provide management of, search of, and access to local metadata.
SCF-0300#B	3393	TBD	SDPS CSMS	procedur al	testTBD	un- verified	<u>test</u>	un- verified	The SCF shall have the capability to install and make operational in the SCF environment all COTS products that are required by Local Data Access Services.

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SCF-0310#B	2459	mission	SDPS	interface	<u>demoTB</u>	un-	demo	un-		Calibration
	,	essential			Đ	verified		verified	The ECS	coefficients
		TBD							shall have the	are
									capability to	interpreted as
									receive	1) calibration
									Calibration	and other
									Coefficient	coefficients
									Requests	and 2) SCF-
									from the	generated
									SCF. The	ancillary data
									current or	needed by the
									past	DAAC
									calibration	processing of
									coefficients	science
									used in	software.
									processing of	<u>These</u>
									instrument	<u>coefficients</u>
									data may be	are treated
									requested by	<u>like data</u>
									the scientist	products.
									from the	<u>Other</u>
									ECS.	coefficients
										are part of the
										<u>Data</u>
										Production
										Software Paging ras
SCF-0330#B	2464		SDPS	intenfere	40.04TDD	****	40.04			Packages.
SCF-0330#B	2464	mission	SDPS	interface	<u>test</u> TBD	un- verified	<u>test</u>	<u>un-</u> <u>verified</u>	The ECS	
		essential TBD				vermed		vermed	shall have the	
		TDD							capability to	I
									receive a	
									Calibration	
									Coefficient	
									Update	
									Package from	
									the SCF.	
									This package	
									shall include	
									a calibration	
									coefficient	
					1				Commencia	

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SCF-0340#B 2466 mission essential TBD SDPS interface testTBD unverified send a Request for Processing Status file and other documentation n needed to implement the updated coefficients. Interface testTBD unverified test verified status file and other documentation n needed to implement the updated coefficients. The SCF shall have the capability to send a Request for Processing Status Status Reprocessing SCFs. Reprocessing SCFs. Reprocessing Reprocessin
SCF-0340#B 2466 mission essential TBD SDPS interface testTBD unverified segment the updated coefficients. SCF-0340#B 2466 mission essential TBD unverified unverified
SCF-0340#B 2466 mission essential TBD SDPS interface test TBD unverified send a Request for Processing SCFs.
SCF-0340#B 2466 mission essential TBD interface testTBD un-verified un-verified un-verified un-verified to receive the sand a Request for Processing SCFs.
SCF-0340#B 2466 mission essential TBD interface testTBD unverified unverified unverified test unverified unverified unverified test unverified unverified unverified test unverified test unverified unverified test unverified test unverified unverified unverified test unverified unverifi
verified verified The SCF shall have the capability to send a Request for Processing SCFs.
shall have the capability to send a status Request for Processing SCFs.
capability to send a status Request for Processing SCFs.
send a Request for Processing SCFs.
Processing SCFs.
II Status Reprocessing
to the ECS status and for the status processing
of SCF- status are
requested identical.
data
processing.
SCF-0350#B 2468 mission SDPS interface testTBD un-
essential TBD verified verified The ECS status and shall have the processing
capability to status are
provide SCF identical.
with the
Processing
Status of Status
SCF-
requested data
processing.
SCF-0360#B 2470 mission SDPS interface testTBD un- test un- ECS has an
essential verified verified The SCF implied
shall have the requirement requirement
capability to to receive the
send a status Request for requests from
Request for requests from

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									information about ECS resource usage during SCF- requested data processing.		
SCF-0370#B	2472	mission essential TBD	SDPS	interface	<u>test</u> TBD	un- verified	<u>test</u>	un- verified	The ECS shall have the capability to provide SCF with information about ECS Resource Usage during SCF-requested data processing.		
SCF-0380#B	2474	mission essential TBD	SDPS	interface	demoTBD	un- verified	demo	un- verified	The SCF shall have the capability to send a Request for Product History (including the algorithms used) to the ECS for the history of data products that the SCF specifies.	ECS has an implied requirement to receive the status requests from SCFs. Product history means production history.	
SCF-0390#B	2476	mission essential	SDPS	interface	demoTB D	un- verified	<u>demo</u>	un- verified	The ECS	Product history means	

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	TBD				provide SCF	production history.	
					with the Product History of		
					data products that the SCF specifies.		

Table 3: Changes to NSI Release B RBRs Baseline: November 8, 1996 CCR: 96-1474/A

RBR_id	req_key	req_cate	segment	req_type	s_verif_	s_verif_	a_verif_	a_verif_	text	interpretation	clarification
		gory			method	stat	method	stat		text	
NSI- 0010#B	8267	N/A_pro cedural	CSMS	procedur			inspectio ndemo	un- verified	NSI, responsible for EOSDIS "Mission Success" network services, shall provide network connectivity to the following ECS facilities: a. ECS at the GSFC DAAC, Goddard Space Flight Center (GSFC), Greenbelt, Maryland	text	
									b. ECS		

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	Operations	
	Center	
	(EOC),	
	Gorddard	
	Space Flight	
	Center	
	(GSFC),	
	Greenbelt,	
	Maryland	
	c.	
	Syste	
	Monitorino	
	m Monitoring	
	and	
	Coordination	
	facility	
	facility (SMC),	
	Goddard	
	Space Flight	
	Center	
	(CCEC)	
	(GSFC),	
	Greenbelt,	
	Maryland	
	d. ECS	
	at the EDC	
	DAAC, Earth	
	Resources	
	Observation	
	System	
	(ĚROS) Data	
	Center	
	(EDC), Sioux	
	Falls, South	
	Dakota	
	e. ECS	
	at the JPL	
	at the JPL	
	DAAC, Jet	
	Propulsion	
	Laboratory	
	(JPL),	
	Pasadena,	
	California	
	Camonia	

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NSI-0020#B 8	8270	N/A pro	CSMS	procedur	not	N/A pro	not	N/A pro	f. ECS at the LaRC DAAC, Langley Research Center (LaRC), Hampton, Virginia g. ECS at the NSIDC DAAC, University of Colorado, National Snow and Ice Data Center (NSIDC), Boulder, Colorado h. ECS at the ASF DAAC, University of Alaska, Alaska Synthetic Aperture Radar (SAR), Fairbanks, Alaska NSI shall	
									Alaska, Alaska Synthetic Aperture Radar (SAR), Fairbanks,	
		N/A_pro cedural		procedur al	not verified by ECS	N/A pro ceduraun -verified		N/A pro ceduralu n- verified	NSI shall provide support for TCP/IP communicatio n protocols and services to ESN.	
NSI-0030#B	6239	mission essential	CSMS	interface	<u>demo</u>	un- verified	<u>demo</u>	un- verified	NSI shall have the	

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Silvation CSMS Interface CSMS Interface CSMS Interface CSMS C
SI-0040#B 6240 mission essential CSMS interface demo unverified unv
have the capability of receiving notification of faults in NSI's network that may affect the quality of NSI services between ECS and its users. NSI-0040#B 6240 mission essential content of the demonstration of faults in NSI's network that may affect the quality of NSI services between ECS and its users. NSI-0040#B 6240 mission essential content of the demonstration of faults in NSI's network that may affect the quality of NSI services between ECS and its users. NSI-0040#B 6240 mission essential content of the demonstration of faults in NSI's network that may affect the quality of NSI services between ECS and its users.
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NSI-0040#B 6240 mission essential CSMS interface demo unverified make able to access or receive the information.
NSI-0040#B 6240 mission essential CSMS interface demo unverified make able to access or receive the information.
NSI-0040#B 6240 mission essential CSMS interface demo unverified notification of faults in NSI's network that may affect the quality of NSI services between ECS and its users. NSI-0040#B 6240 mission essential CSMS interface demo unverified unverified verified verified verified ECS interface able to access or receive the information.
NSI-0040#B 6240 mission essential CSMS interface demo unverified unverified faults in NSI's network that may affect the quality of NSI services between ECS and its users. NSI-0040#B 6240 mission essential cSMS interface demo unverified unverified unverified make able to access or receive the information.
NSI-0040#B 6240 mission essential CSMS interface demo unverified unverified NSI shall make able to access or receive the information.
NSI-0040#B 6240 mission essential CSMS interface demo unverified unverified unverified network that may affect the quality of NSI services between ECS and its users. NSI-0040#B 6240 mission essential CSMS interface demo unverified unveri
NSI-0040#B 6240 mission essential CSMS interface demo unverified with the demo and its users. NSI-0040#B 6240 mission essential CSMS interface demo unverified demo unverified make available to ECS end demo unverified make available to ECS end demo unverified make available to ECS end demo unverified end end
NSI-0040#B 6240 mission essential CSMS interface demo verified unverified unverified quality of NSI services between ECS and its users. NSI-0040#B 6240 mission essential CSMS interface demo verified unverified unverified unverified make able to access or receive the information.
NSI-0040#B 6240 mission essential CSMS interface demo verified unverified with the label to access or receive the information.
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NSI-0040#B 6240 mission essential CSMS interface demo unverified unverified unverified and its users. NSI-0040#B 6240 mission essential CSMS interface demo unverified Unverified
NSI-0040#B 6240 mission essential CSMS interface demo verified unverified unv
verified verified make available to ECS able to access or receive the information.
available to or receive the information.
ECS information.
regarding
fault status
and estimated
time to repair
or resolve
NSI faults
that may
affect the
quality of
NSI services
between ECS
and its users.
NSI-0050#B 6241 mission CSMS interface demo un- NSI shall ECS must be
verified verified provide ECS able to access
with periodic or receive the
summary <u>information.</u>
information
about faults
that may have
affected the

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NSI-0060#B	6242	mission	CSMS	interface	demo	un-	demo	un-	NSI services between ECS and its users. NSI shall	ECS must be
		essential essential				verified		verified	provide ECS SMC with load analysis reports, reflecting or summarizing NSI performance measurement s over various time intervals.	able to access or receive the information.
NSI-0070#B	6243	mission essential	CSMS	interface/ security	demo	un- verified	demo	un- verified	NSI shall have the capability of sending and ECS shall have the capability of receiving notification of security breaches at NSI sites or within the NSI network that could potentially affect ECS sites.	